

19990911.qrp v01\_n576.qrl.990911

Date: Sat, 11 Sep 1999 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1576

QRP-L Digest 1576

Topics covered in this issue include:

- 1) [50003] New RS rig  
by Joel Malman <malman@world.std.com>
- 2) [50004] Wanted: Non-working SST, NC40A, KC-1  
by "Alan Fryer" <n3bj@hotmail.com>
- 3) [50005] Ten-Tec 1340 is here!  
by KG8L@aol.com
- 4) [50006] RE: New RS rig  
by "Ed Tanton" <n4xy@att.net>
- 5) [50007] Re: Morse Code - Should we have it?  
by Elekktron1@aol.com
- 6) [50008] 44 Mag  
by <SFIKE@twa.com>
- 7) [50009] HOWES  
by "EA5XQ (Juan A. Bertolin)" <ea5xq@qsl.net>
- 8) [50010] Re: New RS rig  
by Monte Stark <ku7y@dri.edu>
- 9) [50011] Re: Ten Tec kits  
by "Brian K. Shiratsuki" <bks@CS.Berkeley.EDU>
- 10) [50012] Refurbished solder equipment  
by Monte Stark <ku7y@dri.edu>
- 11) [50013] Re: rotten CW  
by Pete Burbank <plburbank@kih.net>
- 12) [50014] Any R7000 experts here?  
by Neil Klagge <w0yse@juno.com>
- 13) [50015] FS: Kenwood TS-130V QRP HF rig  
by N3BJ <N3BJ@hotmail.com>
- 14) [50016] Soldering iron  
by <SFIKE@twa.com>
- 15) [50017] dixie pixie update  
by neil tanner <ntan@crosslink.net>
- 16) [50018] Re: New RS rig  
by "Carl Zmola" <zmola@campbellsci.com>
- 17) [50019] CW "The Real Fists or All Thumbs"  
by mailbox-gaskins <pgaskin@imcnet.net>
- 18) [50020] Re: CW "The Real Fists or All Thumbs"  
by "The One and Only!" <mitch96@pobox.com>
- 19) [50021] FS: QRP stuff

- by Dave Redfearn <n4elm@texoma.net>
- 20) [50022] Trade: Kenwood TS-130V QRP HF rig  
by "Alan Fryer" <n3bj@hotmail.com>
- 21) [50023] Re: Ok, here's one & I'll shut up about this "freeband" thing  
by "Steven Weber" <kd1jv@moose.ncia.net>
- 22) [50024] Re: New RS rig  
by david fouchey <dafouchey@home.com>
- 23) [50025] 2N2/40  
by Oscar A Hoyt <k5ubs@juno.com>
- 24) [50026] Re: more on my fictional vfo  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 25) [50027] Fw: Re: New RS rig  
by guillotstutoring@juno.com
- 26) [50028] Re: ARRL Handbook 2000 Collector's Edition  
by guillotstutoring@juno.com
- 27) [50029] HPM Celebration  
by JFStrain@aol.com
- 28) [50030] Re: Ten-Tec 1340 is here!  
by PUNISHER3@aol.com
- 29) [50031] K7Q0 confusion and state  
by "Chuck Adams, K7Q0" <k7qo@hotmail.com>
- 30) [50032] Re: Fw: Re: New RS rig  
by Phil Wheeler <w7ox@mindspring.com>
- 31) [50033] Re: ARRL Handbook 2000 Collector's Edition  
by KD1YV <kd1yv@mindspring.com>
- 32) [50034] Re: ARRL Handbook 2000 Collector's Edition  
by Phil Wheeler <w7ox@mindspring.com>
- 33) [50035] Re: Soldering iron  
by Russ Dow <n7dw@garlic.com>
- 34) [50036] DSW40 Report  
by Jim Stafford <w4qo@amsat.org>
- 35) [50037] Fw: Re: Fw: Re: New RS rig  
by guillotstutoring@juno.com
- 36) [50038] Re: QRP Afield  
by KD1YV <kd1yv@mindspring.com>
- 37) [50039] FS: ARK40  
by kc0bdw@webtv.net (Hal Schlotfeld)
- 38) [50040] Re: Rotten CW  
by "Sly (9M8SL)" <cqsly@tm.net.my>
- 39) [50041] Arrl handbook  
by ac5ez@webtv.net (Larry B)
- 40) [50042] FS  
by "Perley Urquhart" <n1yuk@nemaine.com>
- 41) [50043] Re: more on my fictional vfo  
by Robert McConnell <rmcconne@lightlink.com>
- 42) [50044] Re: Radio Control Planes and QRP  
by "Al Gritzmacher " <ae2t@arrl.net>
- 43) [50045] Re: NA Contest Software

by "Al Gritzmacher " <ae2t@arrl.net>  
44) [50046] RE: CW on the HTX-10; Headphones; Use of "?"  
by Mike <mmorrow@companet.net>  
45) [50047] Re: Any R7000 experts here?  
by "Dave T. Chael" <chael@enid.com>  
46) [50048] Re: Any R7000 experts here?  
by Phil Wheeler <w7ox@mindspring.com>  
47) [50049] Attic Antenna Again.  
by "Alex" <aturner@netunlimited.net>  
48) [50050] Re: CW on the HTX-10; Headphones; Use of "?"  
by "Mike Yetsko" <myetsko@insydesw.com>  
49) [50051] Re: Attic Antenna Again.  
by Phil Wheeler <w7ox@mindspring.com>  
50) [50052] Re: Attic Antenna Again.  
by "George T. Baker" <w5yr@swbell.net>  
51) [50053] Re: CW on the HTX-10; Headphones; Use of "?"  
by "George T. Baker" <w5yr@swbell.net>  
52) [50054] RE: CW on the HTX-10  
by Mike <mmorrow@companet.net>  
53) [50055] FS  
by william h ross <k6mgo@juno.com>  
54) [50056] Gather Round Gang --- History is Made  
by hamjoel@juno.com  
55) [50057] K2 Mountain Topping Expediion TODAY  
by "Eric Swartz WA6HHQ, EleCraft" <erics@elecraft.com>  
56) [50058] Re: Attic Antenna Again.  
by Charles Greene <cgreene@loa.com>  
57) [50059] Re: Subject: [49938] Re: USA Visit  
by Tom Randall <trandall@idsi.net>  
58) [50060] FS: DIGITAL DDS VFO's  
by "Steven Weber" <kd1jv@moose.ncia.net>  
59) [50061] SOURCE POLYPHASER?  
by ARDUJENSKI@aol.com  
60) [50062] Re: ARRL Handbook 2000 Collector's Edition  
by "Charles Hamel" <cdhamel@pdq.net>  
61) [50063] Re: ARRL Handbook 2000 Collector's Edition  
by Phil Wheeler <w7ox@mindspring.com>  
62) [50064] accolades to organizers of NoVaQRP group  
by Michael Bower <bowerm@ix.netcom.com>  
63) [50065] Re: SOURCE POLYPHASER?  
by Dave Sjolín <sjolin@swbell.net>  
64) [50066] Re: accolades to organizers of NoVaQRP group  
by K4AHK@ix.netcom.com  
65) [50067] Re: ARRL Handbook 2000 Collector's Edition  
by "Mark Paley" <mpaley@wcnet.org>  
66) [50068] RE:FS QRP Stuff - SST gone!  
by Dave Redfearn <n4elm@texoma.net>  
67) [50069] Re: ARRL Handbook 2000 Collector's Edition

by Bruce Muscolino <w6toy@erols.com>  
68) [50070] Re: ARRL Handbook 2000 Collector's Edition  
by Phil Wheeler <w7ox@mindspring.com>  
69) [50071] new mint tins !  
by "George Goodroe" <goodroe@worldnet.att.net>  
70) [50072] TNX-SOURCE 4 POLYPHASER  
by ARDUJENSKI@aol.com  
71) [50073] Re: Any R7000 experts here?  
by wa8rxi@juno.com  
72) [50074] NC20 Output Spectrum Purity  
by "Robert W. Shaw" <lycott@fox.nstn.ca>  
73) [50075] Re: NC20 Output Spectrum Purity  
by Phil Wheeler <w7ox@mindspring.com>  
74) [50076] AES - Amateur Electronic Supply  
by charles k brown <n4so@juno.com>  
75) [50077] Re: NC20 Output Spectrum Purity  
by "Dave Fifield" <fifield@pacbell.net>  
76) [50078] Guess I'm a collector now...  
by "Dave Fifield" <fifield@pacbell.net>

-----  
Date: Fri, 10 Sep 1999 19:06:57 -0400 (EDT)  
From: Joel Malman <malman@world.std.com>  
To: qrp-l@Lehigh.EDU  
Cc: k1qm@world.std.com  
Subject: [50003] New RS rig  
Message-ID: <199909102306.TAA23710@world.std.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

The reason there is no CW is because the CB'ers that will buy this  
rig and use it on 10 meters don't: need, want or know CW.

--  
/joel K1QM Concord, MA  
QRP-L 337, QRP-ARCI 9305

-----  
Date: Fri, 10 Sep 1999 16:10:35 PDT  
From: "Alan Fryer" <n3bj@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [50004] Wanted: Non-working SST, NC40A, KC-1  
Message-ID: <19990910231035.76478.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

If anyone has a non-working, partially built, missing parts, defunct, lightning damaged or run over SST, NC-40A or KC-1 that will not be revived and is surplus, please let me know.

Alan, N3BJ

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Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Fri, 10 Sep 1999 19:10:51 EDT  
From: KG8L@aol.com  
To: qrp-l@lehigh.edu  
Subject: [50005] Ten-Tec 1340 is here!  
Message-ID: <6605bb77.250ae9fb@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

My newest toy, a Ten-Tec 1340 kit just arrived via UPS and, as promised, I'm here to tell it's story. I've only reached the initial stages of unpacking, but already I believe that the kit itself (and Ten-Tec) is noteworthy. My initial impression (aside from the fact that UPS obviously ran the box over with a large bulldozer) is very good. Upon opening the box, I discovered (on top of a LARGE mound of packing peanuts) a small plastic bag with an Amphenol SO-239 connector in it. Attached was a note stating, basically, that the SO-239 originally packaged with the kit did not meet Ten-Tec standards, and that I should use this connector in its place. The new connector is of very good quality. I have not unpacked all the other parts yet, but expect to find one of those plastic 'melt it while you solder it' SO-239's. It impresses me that Ten-Tec went to the trouble to open an obviously pre-packed kit to stick this new part in there (especially something like a connector, which they could have easily ignored). The manual looks pretty good too. It's about 3/8" thick and plastic bound, with lots of pictures and fold outs, a fairly large unbound schematic and parts diagrams, and a SHORT (only 5 numbered sentences) addendum sheet. The kit itself is well packed, with all the parts packed inside the clamshell chassis halves then shrink wrapped. The cabinet is bulletproof! I would venture to say that this is NOT a backpackers kit...at least not with the Ten-Tec enclosure! The UPS slip on the box says it weighs 4 lbs. I'm guessing the rig with the cabinet must account for about 3.5 of it!

More news as it happens. I don't know WHEN I'll find time to build the darn thing, but I plan on getting started ASAP!!!

73 to all,

Mike  
KG8L/5  
Wichita Falls, TX

-----  
Date: Fri, 10 Sep 1999 19:16:10 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: <malman@world.std.com>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [50006] RE: New RS rig  
Message-ID: <NBBBJDEEIFDDANGEGHLBCEBOGOAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

AMEN BROTHER!!!

72 / 73 Ed N4XY email: <n4xy@arrl.net>

webpage: <http://www.qsl.net/n4xy/>

///snip

The reason there is no CW is because the CB'ers that will buy this  
rig and use it on 10 meters don't: need, want or know CW.

--

/joel K1QM Concord, MA  
QRP-L 337, QRP-ARCI 9305  
///snip

-----  
Date: Fri, 10 Sep 1999 19:16:57 EDT  
From: Elekktron1@aol.com  
To: myetsko@insydesw.com, qrp-l@lehigh.edu  
Subject: [50007] Re: Morse Code - Should we have it?  
Message-ID: <8b9eed0e.250aeb69@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I'm not sure that SSBers would like the loss of the CW subbands in the long  
run either. They would then be treated to that strange beeping noise from one  
end of the band to the other! Since there are thousands of us who still enjoy  
using CW, we would continue to do so, but we would no longer be in a compact

space...we would be everywhere...think of that, especially during contest time!....de KK5WL.....

-----  
Date: 10 Sep 1999 18:25:47 LOC  
From: <SFIKE@twa.com>  
To: <qrp-1@lehigh.edu>  
Subject: [50008] 44 Mag  
Message-ID: <19990910.182547.SFIKE@twa.com>

Can anyone tell me when the 44 Magnum is coming out? And no, I don't have web browsing capabilities or I would check it out for myself. It may already be out and I just don't know about it yet. One sure doesn't read much about it (or the 38 special for that matter) around these parts. Thanks in advance!

72  
Scott

-----  
Date: Sat, 11 Sep 1999 01:37:41 +0200  
From: "EA5XQ (Juan A. Bertolin)" <ea5xq@qsl.net>  
To: QRP - LIST ADDRESS <qrp-1@Lehigh.EDU>  
Subject: [50009] HOWES  
Message-ID: <37D99644.BE9A1289@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello to everybody,

I am interested in meeting people that have used HOWES DXR20/TX2000 to share experiences and improvements.

Thanks a lot

73s Juan

--  
=====

EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW  
FT901DM, MFJ1796,V inv. 40,80m.  
HOWES (80m,40m,30m,20m) TX2000-DXR20 5w  
G-QRP #9805 QRP-L #1461

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Web Site: <http://www.qsl.net/ea5xq>

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When I picture a perfect reader, I always picture a  
monster of courage and curiosity, also something  
supple, cunning, cautious, a born adventurer and  
discoverer...

-- Friedreich Nietzsche--

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Date: Fri, 10 Sep 1999 16:46:09 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50010] Re: New RS rig  
Message-ID: <Pine.GS0.4.10.9909101639080.28638-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I don't see anything wrong with RS coming out with a  
phone only radio.

Many people prefer phone to CW anyway. And those of us  
here on QRP-L are not going to buy enough of them to  
matter even if they did do CW!

And there are even some who seem to think that if they  
can't do something like enjoy CW while driving that no  
one can!

Another point to ponder.....we don't use 10m very much.  
Isn't that just asking for all those "other folks" to  
use it? :-)

10m used to be the local chat band years ago. Before  
the days of repeaters....and it worked just fine. Always  
some activity there.

What was that cartoon that said: "I have met the enemy  
and he are us".....?

:-)

73, Ron,        SOWP 5545M,



.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Fri, 10 Sep 1999 16:54:14 -0700  
From: "Brian K. Shiratsuki" <bks@CS.Berkeley.EDU>  
To: qrp-l@Lehigh.EDU  
Subject: [50011] Re: Ten Tec kits  
Message-ID: <199909102354.QAA79337@destroyer.CS.Berkeley.EDU>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

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I recently purchased T-KIT No. 1054, the regenerative shortwave receiver, for \$24. The fiber glass board was silk screened, but not masked (the board is fairly sparse, anyway). For \$24 you get a front panel, but no box or knobs. The kit was appealing since I am from a generation that apparently missed regenerative receivers, and this model ``beats the pants off those 3-tube radios with the big plug-in coils'' <<http://www.tentec.com/tkit.htm>> (though it would be fun to eventually build one of those).

Tentec obviously designed this receiver to a price; it is supposed to run from two nine volt batteries to isolate the rf from audio sections. By replacing one of these with a nine volt regulator, the price increased by 7%. On the other hand, replacing two batteries costs 15% each time...

It has knobs but is not in a box yet, and already it's been worth the \$24.

Brian

-----  
Date: Fri, 10 Sep 1999 16:56:04 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio <qrp-l@Lehigh.EDU>  
Subject: [50012] Refurbished solder equipment  
Message-ID: <Pine.GSO.4.10.9909101648500.28638-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

During some of the soldering station threads, I could never find this info but just now found the card!

I have seen much of his offerings at Ft. Tuthill and he seems to be a very nice fellow. He should also be at PacCom if I remember right.

Anyway, he buys "broken" soldering stations and puts them back into A-1 condition, using original parts. (According to him and I have no reason not to believe him).

Specializing in Weller and Pace.

He had some thermal wire strippers for those of you who like using TFE wire.

Harold C. Fue  
Fue Enterprises  
916 Roble Lane  
Santa Barbara, CA 93103  
(805) 965-0753

No connection to him and have not even bought anything from him. I was just impressed with his prices, selection and the feeling I got while talking with him.

If you are looking for some soldering equipment but are real thin in the budget, this might be a good place to start.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

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Date: Fri, 10 Sep 1999 20:02:13 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: mpaley@wcnet.org  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [50013] Re: rotten CW  
Message-ID: <3.0.32.19990910200209.00716d5c@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well said Mark,

Along with sending quality the content is important. I don't really care if you are 9000 years old and licensed in your mother's womb. Your fist says it all.

What is neat is to hear a bit of info about job or interests or whatever...after that the QSO rolls on.

One point I was trying to make in starting this gruesome thread is that often some of the "filler" stuff actually limits the QSO to a routine, boring discourse.

Several years ago I began to add an up or down arrow in my log at the column end indicating whether the QSO was fun or a yawner.

There are a lot of really great ops on of all ages.

I guess we are striving for the quality QSO.

73 Pete NV4V vvvvvvvv

-----  
Date: Fri, 10 Sep 1999 18:06:20 -0600

From: Neil Klagge <w0yse@juno.com>

To: qrp-1@Lehigh.EDU

Subject: [50014] Any R7000 experts here?

Message-ID: <19990910.180621.-288941.0.w0yse@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hi all,

I tried tech support at Cushcraft and was not impressed with their answer, so before I pull down the vertical and "try" their (questionable) suggestion, I'd like to hear from some of you who have some experience with this antenna, or similar Cushcraft verticals.

My problem is that on 17 meters, I have an SWR of 1.45 at 18.068 MHz and then it rises to 3.00 to 1 at 18.168 MHz. All other bands are just fine. Tech support says to "try lengthening the 10m section" a bit. This sounds ridiculous to me so I am reluctant to go to a lot of trouble to get up on the roof, lower it, change it, raise it up, etc. until I get a second opinion.

Please email me direct, and if others are interested I will compile the info. Thanks to all in advance.....

72/73

Neil, w0yse

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Date: Sat, 11 Sep 1999 00:08:47 GMT  
From: N3BJ <N3BJ@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [50015] FS: Kenwood TS-130V QRP HF rig  
Message-ID: <199909110008.TAA24532@x39.deja.com>

For Sale: Classic Kenwood TS-130V, baby brother of the TS-130S, runs 10W out, CW and SSB, all bands 80 thru 10 including WARC. Full featured, with excellent IF shift, noise blanker, speech processor and excellent RX dynamic range. A very reliable rig, about a 9 out of 10 cosmetically and a 10 out of 10 electrically. Front panel is FB.

Manual, original mike, DC cord included.

\$350 shipped, CONUS

Alan, N3BJ

-----  
Date: 10 Sep 1999 19:25:55 LOC  
From: <SFIKE@twa.com>  
To: <qrp-1@lehigh.edu>  
Subject: [50016] Soldering iron  
Message-ID: <19990910.192555.SFIKE@twa.com>

I have a very old (and tired looking) commercial grade/military soldering iron that I picked up at a surplus store a number of years ago. As worn out as it is, she still gets the job done okay, but it seems to take forever to warm up and it is a bit large and unweildy for todays through-hole and surface-mount component soldering jobs. I've been thinking about buying a new, smaller pencil style soldering iron. As a newbie QRP kit builder, I'm not familiar with what wattage range I should be looking for in a new iron. Can anybody tell me what to look for in a new soldering iron? I just bought a new 2000 edition Radio Shack catalog today and was looking over some models in there on page 206. I don't know if any of those would be okay or should I shop around for another brand. Weller seems to be popular.

Any suggestions?

Thanks to all who respond.

72/3

Scott

-----  
Date: Fri, 10 Sep 1999 20:27:16 -0400  
From: neil tanner <ntan@crosslink.net>  
To: qrp list <qrp-l@lehigh.edu>  
Subject: [50017] dixie pixie update  
Message-ID: <37D9A1E4.FE20FC0E@crosslink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings-

I am having fun with the Pixie design. My dixie pixie is still being revised, thats part of the fun....I have had lots of help with finding sites that have articles about the Pixie. Many thanks to those that steered me in the right direction. I have a question about something I read though....My original Dixie Pixie seemed to be pretty loud. I did some of the mods I read about. Still works pretty well, but the audio doesn't seem to be there. Now the problem... even if the audio was the way my first DP was, it still isn't loud enough to drive a speaker like some of the articles mention. Anybody have any ideas about this?

Thanks es BT (BK) CUL WATSA DR OM....whoops forgot the ..--.. QSL

K KN KNN KKNN KNKNKN NK SK KS BB BVD lotsa BS--

72 es cheers Neil WA4CHQrp

-----  
Date: Fri, 10 Sep 1999 18:34:55 -0600  
From: "Carl Zmola" <zmola@campbellsci.com>  
To: qrp-l@lehigh.edu  
Subject: [50018] Re: New RS rig  
Message-ID: <19990911003208743.AAA204@carl-zmola>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Joel Malman <malman@world.std.com> wrote:

> The reason there is no CW is because the CB'ers that will buy this  
> rig and use it on 10 meters don't: need, want or know CW.  
>

Radio Shack didn't design a radio for this. They purchase one with a few mods from someone (uniden? or is it someone else this time). The real manufacturer build a cb rig with cb components. The chip they use tunes 1khz increments (not 100hz like the htx-100).

If we waited for a cw capable rig with 100hz tuning, it would be like the rci ranger rigs. It would also cost \$300-\$400. With the cost of full HF rig at \$600 to \$900. Is this worth it?

Let's welcome the rig for what it is and hope that more people start using 10M.

One big question I have about 10M is whether there is any non-DX going on. Is there a short skip on it these days?

Carl  
AC7BB

Carl  
zmola@campbellsci.com

-----  
Date: Fri, 10 Sep 1999 20:35:53 -0400  
From: mailbox-gaskins <pgaskin@imcnet.net>  
To: qrp-l@lehigh.edu  
Cc: pgaskin@imcnet.net  
Subject: [50019] CW "The Real Fists or All Thumbs"  
Message-ID: <199909110035.UAA23471@ns1.imcnet.net>

OK I'll put in my 2 cents,

All prosigns aside, I must agree with the fella that called for more attention to be paid to proper spacing between letters and the spacing of words. To me there is nothing worse than an op that "sendseverthingasifitwasonelongwordjusttomakeitsoundasifheorshewassendingtheircode veryfast." As difficult as that might have been to read (let alone type) imagine trying to learn to head copy it as I have lately.

It seems to me that after a certain WPM a good fist is easy to copy no matter how fast he or she sends! Of course for me at least there is a limit. The "real fist" is a joy to listen to.

What are some of your experiences with head copy?

I so far haven't had the courage to try a QSO without paper and pen except for the final pass, especially with the "All Thumbs".

Let me know.

Pete  
N2PG

-----  
Date: Fri, 10 Sep 1999 20:45:47 -0400  
From: "The One and Only!" <mitch96@pobox.com>  
To: pgaskin@imcnet.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50020] Re: CW "The Real Fists or All Thumbs"  
Message-ID: <37D9A63B.9D57C1F3@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>  
> OK I'll put in my 2 cents,  
I must agree with the fella that called for more attention to be paid  
to proper spacing between letters and  
> the spacing of words.

A Little trick i learned from KG2ED for word spacing. Monitor ur "s"  
meter. at the end of a word let the indicator drop to the zero tic, then  
start the new word. I dont think this will work below 13 wpm IMHO.

tnx.

72.5, mitch ww4ml

lost in the ethers again..

-----  
Date: Fri, 10 Sep 1999 19:57:43 -0500  
From: Dave Redfearn <n4elm@texoma.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50021] FS: QRP stuff  
Message-ID: <37D9A907.F18ABAB0@texoma.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

QRP Stuff For Sale:

Wilderness SST-20

With extra VXO crystal, MV-209, and ABX mod parts (not installed)

Covers 14.013 - 14.051 Mhz with two VXO crystals

About 1.5 watts output.

\$ 80.00 OBO + shipping

LDG AT-11 Automatic antenna tuner

With V2.4 upgrades, manuals, and case  
Tunes from about 2 watts up, works great

\$150.00 OBO + shipping

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKtexoma.net (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----  
Date: Fri, 10 Sep 1999 17:56:59 PDT  
From: "Alan Fryer" <n3bj@hotmail.com>  
To: qrp-l@lehigh.edu  
Cc: forsale-swap@qth.net  
Subject: [50022] Trade: Kenwood TS-130V QRP HF rig  
Message-ID: <19990911005700.59443.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Will also trade for interesting QRP rigs. Wilderness Sierra, NC-40A, SSTs,  
homebrew, combination of, etc. +/- cash...

-----Original Message Follows-----  
From: N3BJ <N3BJ@hotmail.com>  
Reply-To: N3BJ@hotmail.com  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: FS: Kenwood TS-130V QRP HF rig  
Date: Sat, 11 Sep 1999 00:08:47 GMT

For Sale: Classic Kenwood TS-130V, baby brother of the TS-130S, runs  
10W out, CW and SSB, all bands 80 thru 10 including WARC. Full  
featured, with excellent IF shift, noise blanker, speech processor and  
excellent RX dynamic range. A very reliable rig, about a 9 out of 10  
cosmetically and a 10 out of 10 electrically. Front panel is FB.

Manual, original mike, DC cord included.

\$350 shipped, CONUS

Alan, N3BJ



-----  
Get Your Private, Free Email at <http://www.hotmail.com>  
-----

Date: Fri, 10 Sep 1999 21:21:38 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [50023] Re: Ok, here's one & I'll shut up about this "freeband" thing  
Message-ID: <199909110203.WAA25339@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

> If we could get these guys on the air legal, on the ham bands, where they

I don't know why they'd want to bother. Why go through the hassle of getting a legit ham license when they can just pick up a cheap radio and talk around the world?

Seems every time I tune around the 10M band, it's dead, but the local freebander I know talks to all kinds of people. Kinda sad when you think about it.

As for the new RS not having CW, it's a CB set already converted to 10M for crying out loud. That's why it's so cheap, most of the ones they make are for the CB/export market, that's where the volume sales are.

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Fri, 10 Sep 1999 22:04:41 -0400  
From: david fouchey <dafouchey@home.com>  
To: malman@world.std.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50024] Re: New RS rig  
Message-ID: <37D9B8B9.3731BC3A@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Give that man a Cigar!

I am afraid that is precisely the market they have in mind.

Dave  
WA4EMR/8

Joel Malman wrote:

>  
> The reason there is no CW is because the CB'ers that will buy this  
> rig and use it on 10 meters don't: need, want or know CW.  
>  
> --  
> /joel K1QM Concord, MA  
> QRP-L 337, QRP-ARCI 9305

-----  
Date: Fri, 10 Sep 1999 21:42:38 -0500  
From: Oscar A Hoyt <k5ubs@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [50025] 2N2/40  
Message-ID: <19990910.214240.-107545.0.k5ubs@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Finally got serious about putting one on the air. Bought the PC board some time back. Went through my junk box....been collecting parts for lot of years. Most of my resistors (most given to me) are 1/2, 1 and 2 watt types. found most of what I needed from the 1/2 watts. They shouldn't even get warm... Then went to Tanner Electronics just north of Dallas. Found they didn't have some crucial parts that I needed like toroid cores and ten turn 20k pot, and some other parts. There were boxes for these parts but empty. Suggest to me that could be some others in this area are building this rig!

Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, NORCAL

-----  
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-----  
Date: Fri, 10 Sep 1999 23:02:10 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [50026] Re: more on my fictional vfo  
Message-ID: <37D9C632.4ECDEED3@rit.edu>  
MIME-version: 1.0

Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

"Jerry W. O'Dell" wrote:

>  
> Got lots of responses, all good. The issue seems to be that human  
> labor would be involved, and that costs money.  
>  
> Sooooooooo..... we eliminate the human element and put the whole  
> bloody thing on one piece of silicon.

Jerry,

That's the expensive part - designing the piece. It's usually tens to  
hundreds of thousands of dollars to design a custom chip - especially  
mixed analog / digital.

> I feel that there is just so much commercial value in such a device  
> that some bright young fella out west will do it. Who would have thought that  
> I could buy a 4.3 gig hard drive for \$100 5 years ago? Talk about labor!  
> How about  
> the \$15 56K modem I just saw at the computer store? (they said it was  
> guaranteed)(I didn't buy it)

Both of which are taking advantage of the massive number of personal  
computers to get the costs down.

Actually, part of the reason the Analog Devices DDS chips (like used in  
the DSW-x0) are so cheap (\$10 - \$25) is because they're used in graphics  
cards to generate accurate, programmable timing signals.

> If I were braver, I'd bet all of you 1 cent that my digital vfo with  
> display will  
> be available within 5 years. For under 5 bux. But I'm cheap. (that should  
> be obvious)

You're a brave man to even predict that, but that's how progress is  
made! I hope you're right. (I also hope I haven't sounded like I'm  
trying to talk anyone out of it. Just trying to explain why it hasn't  
been done yet. The main reason is that nobody saw a market.)

> Incidentally, most people seem to think that you manufacturers out there sell  
> thousands or tens of thousands of your units. I suspect not. I don't think  
> QRP is  
> the way to get rich.

I'll second that notion. These guys are heroes.

Dave

-----  
Date: Fri, 10 Sep 1999 23:07:51 -0500  
From: guillotstutoring@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [50027] Fw: Re: New RS rig  
Message-ID: <19990910.230751.-254303.1.guillotstutoring@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Guess what I inherited from my girlfriend's deceased CB'er husband! A HTX-100, a 1990 bound handbook (which I didn't have), and a real jewel of a book entitled QRP NOTEBOOK ( W1FB'S QRP NOTEBOOK is a completely rewritten second edition). He had been working on getting a ham license.

>> The reason there is no CW is because the CB'ers that will buy this  
>> rig and use it on 10 meters don't: need, want or know CW.

>>

>> --

>> /joel K1QM Concord, MA

>> QRP-L 337, QRP-ARCI 9305

72, Ed Guillot, N5ED, New Orleans, LA  
qrp-l#1951, qrp-arci#3988, ARRL(life)

-----  
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-----  
Date: Fri, 10 Sep 1999 23:10:32 -0500  
From: guillotstutoring@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [50028] Re: ARRL Handbook 2000 Collector's Edition  
Message-ID: <19990910.231033.-254303.2.guillotstutoring@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Oh no! The ARRL has gone the way of the Beanie Babies!! Are they going to "retire" the handbook too?

>>You must act quickly on this unique opportunity to guarantee your

>>reservation for the edition every ham will want to own--  
>>  
>>Only 2000 copies will be produced!  
>>  
>>Hurry now to order your own personalized copy of Amateur Radio's  
>most  
>>popular book: The ARRL Handbook

72, Ed Guillot, N5ED, New Orleans, LA  
qrp-l#1951, qrparci#3988, ARRL(life)

---

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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Sat, 11 Sep 1999 00:17:29 EDT  
From: JFStrain@aol.com  
To: qrp-l@lehigh.edu  
Subject: [50029] HPM Celebration  
Message-ID: <6e7d43c1.250b31d9@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Wow!! I just made my 25th "/130" contact using 20M SSB only, which qualifies me for the basic certificate. What a hassle, considering the pileups and advantage of being a "/130" station, which I am not (at the present, anyway).

I did try a CQ several times, but only managed to get one contact that way. But enough is enough, and I am willing to stop with 25. Did anyone else try this on SSB? If so, what bands and how has it turned out? It was really amazing to get 59 reports with comments about how strong the signal was (once I was acknowledged)... and often I just left it at that. A few times I did say my p.e.p. power meter was peaking at 6 or 7 watts, but I am not sure I had many believers. It amazed me, anyway! I made the mistake of not paying attention to the rules for the contest now underway and accidentally called an XE station only to be told in no uncertain terms that I should only be working european stations. Oh well, maybe another time I'll be able to confirm Mexico from this QTH. It never was this exciting running 100 watts!

72,  
John W9MIU  
QRP-L 1088 QRP-ARCI 8173

---

Date: Sat, 11 Sep 1999 00:18:54 EDT

From: PUNISHER3@aol.com  
To: qrp-1@lehigh.edu  
Subject: [50030] Re: Ten-Tec 1340 is here!  
Message-ID: <463cdafa.250b322e@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hello -

I don't want to sound negative, but don't be surprised if your TenTec isn't what you expected. I have built the 1320 and had many many problems with it, and still have some now. I have also talked to many people who have also built the TenTec 13\_ \_ series and have had the same problem as me.

Yes, the parts and board are VERY high quality, as well as the enclosure but after everything is built, you may run into a few "road blocks" such as key clicks, bad QSK, drifting VFO and horrible hash on transmit.

If you experience anything out of the ordinary, please email me and I will send you a "fix list" for just about everything.

The good news is that once everything is pretty much how it should be, it is a very very nice rig that will get you many contacts!

I'm not trying to sound mean or negative... just giving you a "heads up" for whats to come.

73 and good luck,  
Ben  
NW7DX

In a message dated 09/10/1999 4:13:07 PM Pacific Daylight Time, KG8L@aol.com writes:

<< My newest toy, a Ten-Tec 1340 kit just arrived via UPS and, as promised, I'm here to tell it's story. I've only reached the initial stages of unpacking, but already I believe that the kit itself (and Ten-Tec) is noteworthy. My initial impression (aside from the fact that UPS obviously ran the box over with a large bulldozer) is very good. Upon opening the box, I discovered (on top of a LARGE mound of packing peanuts) a small plastic bag with an Amphenol SO-239 connector in it. Attached was a note stating, basically, that the SO-239 originally packaged with the kit did not meet Ten-Tec standards, and that I should use this connector in it's place. The new connector is of very good quality. I have not unpacked all the other parts yet, but expect to find one of those plastic 'melt it while you solder it' SO-239's. It impresses me that Ten-Tec went to the trouble to open an obviously pre-packed

kit to stick this new part in there (especially something like a connector, which they could have easily ignored). The manual looks pretty good too. It's about 3/8" thick and plastic bound, with lots of pictures and fold outs, a fairly large unbound schematic and parts diagrams, and a SHORT (only 5 numbered sentences) addendum sheet. The kit itself is well packed, with all the parts packed inside the clamshell chassis halves then shrink wrapped. The cabinet is bulletproof! I would venture to say that this is NOT a backpackers kit...at least not with the Ten-Tec enclosure! The UPS slip on the box says it weighs 4 lbs. I'm guessing the rig with the cabinet must account for about 3.5 of it!

More news as it happens. I don't know WHEN I'll find time to build the darn thing, but I plan on getting started ASAP!!!

73 to all,

Mike  
KG8L/5  
Wichita Falls, TX  
>>

-----  
Date: Fri, 10 Sep 1999 21:23:46 MST  
From: "Chuck Adams, K7Q0" <k7qo@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [50031] K7Q0 confusion and state  
Message-ID: <19990911042347.90247.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

There seems to be a lot of confusion still, so let me clear this before I pull the big plug in TX.

The truck that I'll load will pull out of Dallas on Monday, Sept 13th.

Bad news: things are packed now, so I'm brain dead on some stuff.  
Bad news: a few days to drive 1250 miles

Good news: you will be able to work K7Q0/m5/m7 on 10m SSB. This will be the only time that you'll catch me with a microphone in use with my call. :- ) QRP SSB calling freq, which I will have to look up myself. ;- ) Spots are coming up so possible propagation may aid getting Q's while on the road from dawn

to dusk. Look for me down the road.... or sighting reports  
on QRP-L. :-) Like the new UFO sightings in CA.....

Also, note that hotmail.com is the only address for email from  
now on. ticnet account goes bellyup at midnight tonight.

Also, USPS address is now

Chuck Adams, K7QO  
Box 11840  
Prescott, AZ 86304-1840

for QSLs and newsletters. I think I got all the change of  
address notes out but if you handle any newsletter that I  
sub to, please double check. I don't want to miss a single  
issue.... Please.

I've sent out a bunch of the old K5FO QSLs and more going out the  
next two days. All in envelopes and please check inside for a  
mailing label if you owe me a card as I include label. In bunch  
that I picked up in mail last trip to Prescott there were some QSLs  
from guys that obviously don't look for such perks in the envelope.

FYI es cu on 10m (the high end of the band with the Novices and  
others)....

And to all my friends in TX that I'll be missing, don't be a  
stranger. They do have a Motel 6 in Prescott. :-) ;-)  
The lights on.

Chuck Adams K7QO CP-60 k7qo@hotmail.com <http://www.qsl.net/k7qo>

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Fri, 10 Sep 1999 21:22:44 -0700  
From: Phil Wheeler <w7ox@mindspring.com>  
To: guillotstutoring@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50032] Re: Fw: Re: New RS rig  
Message-ID: <37D9D914.CE5BEDF8@mindspring.com>  
MIME-Version: 1.0



Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

guillotstutoring@juno.com wrote:

>  
> Guess what I inherited from my girlfriend's deceased CB'er husband! A  
> HTX-100, a 1990 bound handbook (which I didn't have), and a real jewel of  
> a book entitled QRP NOTEBOOK ( W1FB'S QRP NOTEBOOK is a completely  
> rewritten second edition). He had been working on getting a ham license.  
>

And she thinks you like her for herself :-) Pshaw!

Phil W7OX

-----  
Date: Sat, 11 Sep 1999 00:27:09 -0300  
From: KD1YV <kd1yv@mindspring.com>  
To: guillotstutoring@juno.com, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [50033] Re: ARRL Handbook 2000 Collector's Edition  
Message-ID: <3.0.5.16.19990911002709.2a9f055a@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'm pretty sure that this limited edition is just for the leather-bound,  
gold-leaf embossed, personalized, serialized edition. The regular 2000  
Handbook will be available as usual.

72/73 de Jim, KD1YV

At 11:10 PM 9/10/99 -0500, guillotstutoring@juno.com wrote:  
>Oh no! The ARRL has gone the way of the Beanie Babies!! Are they  
>going to "retire" the handbook too?  
>  
>>>You must act quickly on this unique opportunity to guarantee your  
>>>reservation for the edition every ham will want to own--  
>>>  
>>>Only 2000 copies will be produced!  
>>>  
>>>Hurry now to order your own personalized copy of Amateur Radio's  
>>most  
>>>popular book: The ARRL Handbook  
>

>72, Ed Guillot, N5ED, New Orleans, LA  
>qrp-l#1951, qrparci#3988, ARRL(life)  
>  
>-----  
>Get the Internet just the way you want it.  
>Free software, free e-mail, and free Internet access for a month!  
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.  
>

-----  
Date: Fri, 10 Sep 1999 21:38:44 -0700  
From: Phil Wheeler <w7ox@mindspring.com>  
To: kd1yv@mindspring.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50034] Re: ARRL Handbook 2000 Collector's Edition  
Message-ID: <37D9DCD4.E1E47D51@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

KD1YV wrote:

>  
> I'm pretty sure that this limited edition is just for the leather-bound,  
> gold-leaf embossed, personalized, serialized edition. The regular 2000  
> Handbook will be available as usual.  
>  
> 72/73 de Jim, KD1YV  
>

Well, we could always hold out for the 2100 edition.

Phil

-----  
Date: Fri, 10 Sep 1999 21:39:28 -0700  
From: Russ Dow <n7dw@garlic.com>  
To: SFIKE@twa.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50035] Re: Soldering iron  
Message-ID: <37D9DD00.FAF1C3A@garlic.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Scott,

Any decent quality iron in the 15 to 25 watt range, with a small conical or chisel tip, should do the job. And with today's small parts and crowded boards, I now use a magnifying lamp too.

73,  
Russ N7DW

SFIKE@twa.com wrote:

> ... a bit large and unweildy for todays through-hole and surface-  
> mount component soldering jobs.I've been thinking about buying a new, smaller  
> pencil style soldering iron. As a newbie QRP kit builder, I'm not familiar with  
> what wattage range I should be looking for in a new iron.Can anybody tell me  
> what to look for in a new soldering iron?

-----  
Date: Sat, 11 Sep 1999 01:01:16 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: QRP-L <qrp-l@lehigh.edu>  
Cc: DBenson/NN1G/SmallWonderLabs <Bensondj@aol.com>, nogalist <nogaqrp@qth.net>  
Subject: [50036] DSW40 Report  
Message-ID: <37D9E21B.E1C9813A@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I know we have had several of these reports but finally got around to building mine last week while on vacation in NC mountains. Took about 5 hours or so. Used that new Weller iron package from FAIR RADIO, used the "sucker" once too! Forgot to take the case and assoc parts with me, so had to scrounge around some other kits that I have yet to build and carry around in a big box. Fortunately I found all the parts, so hooked up jacks/pots/etc kind of "road kill" style.

Since I didn't bring any test eqpt except a DVM, checked a few things, looked good so hooked up to inverted vee at 25 feet (ala Russ Carpenter style multi band) with ends at 7 feet, applied the power and hit the key. Oh, I did the "tune up" bit with the tones - sounded about the same to me. Then I tried tweeking the transformer - but where it started was the loudest so left it there.

Answered a CQ from Indiana. He gave me a 559 but on second comeback he had swung his beam around on me and I was 589 so we chatted for half hour or so. Made several other beast coast Qs during next three days including AE4EC in NC, KB8DFM in OH, and AA0XJ in IA. On last evening, answered S51As CQ for the heck of it. He came right back with 459. He was 599 and running 500w into a yagi. We had a nice chat. He seemed impressed with my 2 w or whatever it is. Still haven't put the wattmeter on it, but know the output transistor stays cool. Too busy having fun.

Now where is that ALC jack so I can push the power down to mw range?

Another happy customer Dave.

--

Jim Stafford, W4QO            770-993-9500            VP - QRPARCI #6515  
+++The THRILL is back - QRP - what ham radio is all about!  
+++<http://www.qrparci.org>

-----

Date: Sat, 11 Sep 1999 00:05:26 -0500  
From: guillotstutoring@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [50037] Fw: Re: Fw: Re: New RS rig  
Message-ID: <19990911.000528.-254303.4.guillotstutoring@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

guillotstutoring@juno.com wrote:

>  
> Guess what I inherited from my girlfriend's deceased CB'er husband! A  
> HTX-100, a 1990 bound handbook (which I didn't have), and a real jewel  
of  
> a book entitled QRP NOTEBOOK ( W1FB'S QRP NOTEBOOK is a completely  
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>

And she thinks you like her for herself :-) Pshaw!

Phil W7OX

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-----  
Date: Sat, 11 Sep 1999 02:29:06 -0300  
From: KD1YV <kd1yv@mindspring.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50038] Re: QRP Afield  
Message-ID: <3.0.5.16.19990911022906.08f700c8@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi, listies,

I plan to be out for my first field QRP operation. I hope that those of you who have frequency-agile transceivers will listen for those of us who don't, perhaps around 3686.4 or so :-)

72/73 de Jim, KD1YV

-----  
Date: Sat, 11 Sep 1999 01:59:41 -0500 (CDT)  
From: kc0bdw@webtv.net (Hal Schlotfeld)  
To: qrp-1@Lehigh.EDU  
Subject: [50039] FS: ARK40  
Message-ID: <18571-37D9FDDD-14354@postoffice-213.iap.bryant.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)

I have a friend who would like me list his ARK40 for sale. It was built by S&S. The freq range is 7Mhz to 7.150 Mhz. It does not have a keyer built in. It does have 5 watt output. The case is in like new condition. Also includes manual. I have used this rig myself for my very first QSO using QRP and worked Virginia from Nebraska. If interested E-mail me direct for more info or offer and I will pass it on the him.

Tnx  
Hal

-----  
Date: Sat, 11 Sep 1999 15:11:40 +0800  
From: "Sly (9M8SL)" <cqsly@tm.net.my>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50040] Re: Rotten CW

Message-ID: <19990911071140.ZVJT24779@User>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

>From my on-the-air experiences, if that is anything to go by...

Uno, those guys/gals which send at high speed on the lower end of the bands usually used the <BK> most,

Dos, contest stations also do that often.

Op...Just remember, no polling here...so I'll just say:

`I have no need for speed, so I usually signed with a `K' or `KN'

Sincere 72 de Sly, 9M8SL  
fm "The Hidden Paradise of Borneo"

-----  
Date: Sat, 11 Sep 1999 08:53:15 -0500 (CDT)  
From: ac5ez@webtv.net (Larry B)  
To: qrp-l@lehigh.EDU  
Subject: [50041] Arrl handbook  
Message-ID: <25162-37DA5ECB-13067@postoffice-113.iap.bryant.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)

\$75.00 for a handbook ? I dont think so , not as long as I still have my  
\$4.00 1965 edition.  
K1zw

-----  
Date: Sat, 11 Sep 1999 10:03:23 -0400  
From: "Perley Urquhart" <n1yuk@nemaine.com>  
To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [50042] FS  
Message-ID: <005001befc5e\$6a083240\$5c7461ce@urquhart>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Have a surplus Heathkit HW101, HM2102, Mirage MP1. Might trade. Email  
direct please. Perley, N1YUK

-----  
Date: Sat, 11 Sep 1999 10:23:29  
From: Robert McConnell <rmcconne@lightlink.com>  
To: jwodell@ameritech.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50043] Re: more on my fictional vfo  
Message-ID: <3.0.6.16.19990911102329.2f8f9ea8@pop.lightlink.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Jerry,

It could be a lot sooner than that. But even if someone does have the  
software and equipment available at work and can spend a couple of  
weekends creating the design and etching prototypes, he will still  
need some specifications to work from.

So what are the basic specs for your dream chip?

Bob McConnell  
N2SPP

At 05:08 PM 9/10/99 -0400, you wrote:  
>Got lots of responses, all good. The issue seems to be that human  
>labor would be involved, and that costs money.  
>  
>Soooooooo..... we eliminate the human element and put the whole  
>bloody thing on one piece of silicon.  
>  
>I feel that there is just so much commercial value in such a device  
>that some bright young fella out west will do it. Who would have thought that  
>I could buy a 4.3 gig hard drive for \$100 5 years ago? Talk about labor!  
>How about  
>the \$15 56K modem I just saw at the computer store? (they said it was  
>guaranteed)(I didn't buy it)  
>

>If I were braver, I'd bet all of you 1 cent that my digital vfo with  
>display will  
>be available within 5 years. For under 5 bux. But I'm cheap. (that should  
>be obvious)  
>  
>  
>73 jerry w8gnd

-----  
Date: Sat, 11 Sep 1999 11:20:19 -0400  
From: "Al Gritzmacher " <ae2t@arrl.net>  
To: qrp-1@Lehigh.EDU  
Subject: [50044] Re: Radio Control Planes and QRP  
Message-ID: <199909111519.LAA30646@mx2.localnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

On 10 Sep 99, at 19:03, qrp-1@Lehigh.EDU wrote:

> I think another neat idea would be to build a plane,  
> install an ATV transmitter in the thing, and fly the  
> thing via remote TV pick-up. If you added a decent  
> sized fuel tank, you could even have a ham 100 miles  
> away pick up control of the thing, fly it over his/her  
> area, land it, refuel, and send it back to the originator  
> or on to another ham further down the line.

This has been done at least once. A ham I know has flown a R/C plane with an ATV transmitter on it and guided it by the returned picture.

They flew the plane across the Niagara River and landed it in Canada. I don't recall if they flew it back or not. They had a Canadian R/C group co-operating to secure the plane when it landed!

The fellow who did this gave a talk and demonstration (of the ATV equipment, he didn't fly the plane) at a local Ham club meeting a couple years ago.

=====  
The amazing thing about QRP is not how many contacts are made, but that they are made at all. Every QSO is a



contradiction of conventional wisdom.  
72,  
Al Gritzmacher, AE2T  
QRP-L #1664 QRP-ARCI #9837 K2 #274  
ae2t@arrl.net  
<http://members.localnet.com/~ae2t/>  
QRP - If you don't try, you'll never know!

-----  
Date: Sat, 11 Sep 1999 11:20:19 -0400  
From: "Al Gritzmacher " <ae2t@arrl.net>  
To: qrp-l@Lehigh.EDU  
Subject: [50045] Re: NA Contest Software  
Message-ID: <199909111519.LAA30653@mx2.localnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

On 10 Sep 99, at 19:03, qrp-l@Lehigh.EDU wrote:

> Subject: [49919] NA Contest Software  
> Message-ID: <199909100243.WAA21785@ns1.imcnet.net>  
>  
> If this is a repost, please excuse the bandwidth!!  
> I still have the NA Contest Logging Software ver.10.28 for sale for \$40  
> plus  
> \$5 Priority shipping.  
> This is the original diskette and manual without my name and call  
> registered. I don't know DOS well enough to use the program easily.  
> The few copies I have made for myself will be destroyed upon sale  
> of the original.  
> Payment is by money order and I may be reached at pgaskin@imcnet.net  
> if there are any further questions.  
> 72  
> Pete  
> N2PG  
>  
>

I'm not sure how NA is sold, but you might want to check with the author.

If it was sold direct to you, what you have paid for is the right to use the software, receive support and receive upgrades.

That probably is not transferrable and what you are really doing is selling a diskette for \$40. No wonder you have no takers.

Only if it has a registration card that can be filled in by an end-user, or another way to transfer ownership, would it be of any value to someone else.

If you really are unable to use the software, why not contact the seller and ask to return it for a refund? I'm sure they would rather do that than have people selling unsupported copies of the program.

=====  
The amazing thing about QRP is not how many contacts are made, but that they are made at all. Every QS0 is a contradiction of conventional wisdom.

72,

Al Gritzmacher, AE2T

QRP-L #1664 QRP-ARCI #9837 K2 #274

ae2t@arrl.net

<http://members.localnet.com/~ae2t/>

QRP - If you don't try, you'll never know!

-----  
Date: Sat, 11 Sep 1999 10:43:56 -0500

From: Mike <mmorrow@companet.net>

To: qrp-l@lehigh.edu

Subject: [50046] RE: CW on the HTX-10; Headphones; Use of "?"

Message-ID: <37DA78BC.1E07@companet.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Sorry for the late comment on subjects mentioned many messages ago (I get the digest version of QRP-L).

RE: CW on the HTX-10: One thing is not arguable. Having the CW mode would in no way compromise the other functions of the HTX-10, or make it less of a radio. It likely would not have added a nickle to the manufacturing cost. Radio Shack has erred significantly if the HTX-10 has no CW mode.

As Keith mentioned, the way to go to add CW would be to use the keyed external audio oscillator method. The SB-34, made by SBE-Raytheon, had such an optional unit (I can't remember the model number). IIRC, it generated a pure single audio tone, and provided semi-QSK keying of the PTT circuit. BTW, if anyone has one of these for sale, I like to talk (I own three SB-34s...sometimes you can find them for \$50...but no CW

unit).

RE: Headphones for QRP rigs. Mark posted some observations on this. I have found the little cheap stereo ear buds to be absolutely terrible for communication use. I use the HS-7 monophonic communication ear buds by Kenwood. Side-by-side comparison to the common consumer junk is amazing.

RE: Use of question mark as a REPEAT prosign. US military CW usage contained the following prosign:

IMI (sent as one character) meaning "Say again" or "I say again."

This was official military usage, and is likely related to how the question mark (IMI) got some ham usage as a REPEAT prosign.

The military used "INT" (sent as one character) as an interrogative prosign.

73

Mike / KK5F

-----  
Date: Sat, 11 Sep 1999 10:48:11 -0500  
From: "Dave T. Chael" <chael@enid.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50047] Re: Any R7000 experts here?  
Message-ID: <005201befc6d\$12a83180\$c44721d0@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dear Neil (and others with the R-7000),

I'm not an R-7000 expert by any stretch of the imagination, but have had similar frustrations with the R-7000 and Cushcraft's "customer service". My R-7000 is finally working OK after over nine months of work (with the exception of 40 meters, which has never tuned correctly).

The first thing to realize is that you're truly dealing with "rocket science, swamp gas and mirrors" all at the same time when you're asking a single antenna to do "all things on all bands". I've come to the conclusion

at this QTH that all things are not going to happen correctly on all bands, and have decided to live with the compromises. My R-7000 worked great after the initial installation, but had an electrical failure in a trap or two (ostensibly from an Oklahoma wind storm last winter). I went round and round with Cushcraft attempting to get the problem resolved (finally finished up last month). The bottom line: It took several personal calls to the President of the company (after several months of patient waiting) before I finally got the "promised" warranty parts. That's why I'm not surprised with your similar trouble with the customer service department. Anyway, I'm finally back on the air with it, and have guyed it up to preclude future wind failure episodes.

Back to your problem. Yes, you'll have to change the spacing between the traps to improve the SWR on 17 meters. BE CAREFUL - tuning that one section very dramatically will affect SWR on all lower frequencies. Mine works fairly well on all bands except 40 - it's very flat on 10, 12, and pretty good on 17, sort of narrow on 20 (tuned to min SWR at 14.150), decent on 30 (but not flat), and unusable (without a tuner) on 40. I'm guessing that distance above the ground may have a lot to do with the actual tuning of the antenna. My installation is a custom heavy-duty 1/2" steel pipe section wrapped around a tree trunk about 25' in the air - works great. I've trimmed the tree branches way from the antenna, and it really gets out! HOWEVER, there probably is a tuning problem having it that high above the ground (?). I don't know. I couldn't get the top radial long enough to tune properly on 40, and decided to use a tuner instead.

Bottom line: definitely do try to change the lengths and you should be able to bring the SWR into an acceptable range. I recommend strongly that you keep very precise records (lengths between traps), so you can go back to the last settings if there's a problem. You will need to plan multiple trips up and down to get it right. One additional recommendation: DO THIS WHEN THE TRAPS ARE DRY! You'll find that the antenna tunes very differently when the traps are wet. As a matter of fact, SWR on some bands shift radically after a rain here, to nearly 3:1, some bands almost unusable. Hmmm.

Good luck! I love my R-7000 (when it works, it works great!), but I've had my share of frustration with it as well. Please let us know how it turns out!

73s

Dave  
KC5GUD

-----Original Message-----

From: Neil Klagge <w0yse@juno.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Friday, September 10, 1999 7:09 PM  
Subject: Any R7000 experts here?

>Hi all,  
>  
>I tried tech support at Cushcraft and was not impressed with their  
>answer, so before I pull down the vertical and "try" their (questionable)  
>suggestion, I'd like to hear from some of you who have some experience  
>with this antenna, or similar Cushcraft verticals.  
>  
>My problem is that on 17 meters, I have an SWR of 1.45 at 18.068 MHz and  
>then it rises to 3.00 to 1 at 18.168 MHz. All other bands are just  
>fine. Tech support says to "try lengthening the 10m section" a bit.  
>This sounds ridiculous to me so I am reluctant to go to a lot of trouble  
>to get up on the roof, lower it, change it, raise it up, etc. until I  
>get a second opinion.  
>  
>Please email me direct, and if others are interested I will compile the  
>info. Thanks to all in advance.....  
>  
>72/73  
>Neil, w0yse  
>  
>-----  
>Get the Internet just the way you want it.  
>Free software, free e-mail, and free Internet access for a month!  
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Sat, 11 Sep 1999 08:56:04 -0700  
From: Phil Wheeler <w7ox@mindspring.com>  
To: chael@enid.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50048] Re: Any R7000 experts here?  
Message-ID: <37DA7B94.7BFDE31C@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

"Dave T. Chael" wrote:  
>  
> The first thing to realize is that you're truly dealing with "rocket  
> science, swamp gas and mirrors" all at the same time when you're asking a

> single antenna to do "all things on all bands".

I had good luck with a DX-77 on all bands (but the design is not all that WX resistant here nr the ocean). I fought a friends R7000 and never did get it right on 40 m.

Now I am using a 10/15/20 beam and a G5RV.

Phil

-----  
Date: Sat, 11 Sep 1999 12:03:41 -0400  
From: "Alex" <aturner@netunlimited.net>  
To: <qrp-1@lehigh.edu>  
Subject: [50049] Attic Antenna Again.  
Message-ID: <001001befc6f\$3e460c20\$1603a5d0@pentiumii>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

I'm very close to getting this station on the air. Put up as much wire in the attic as I could, about 35'. Feeding it at the center with 450 ohm ladder line and MFJ tuner. It looks as if it will tune to an swr of < 2 on most bands,BUT on 20 meters I'm encountering the problem with hand capacitance affecting the settings.

It's present to a lesser degree on other bands, but very bad on 20. Will an earth ground help solve this problem? I have a cold water pipe about 15 feet away,but that then runs for who knows how many feet before going under ground, will that work or I can put down a ground outside the window and then run a ground wire to that. I've heard of problems with the length of ground wires so what lengths should I avoid. Sorry for the rather windy question.

tnx  
N4BYJ

-----  
Date: Sat, 11 Sep 1999 12:03:42 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <mmorrow@companet.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50050] Re: CW on the HTX-10; Headphones; Use of "?"  
Message-ID: <004801befc6f\$569928c0\$3e1afea9@dads-hp>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>RE: CW on the HTX-10: One thing is not arguable. Having the CW mode  
>would in no way compromise the other functions of the HTX-10, or make it  
>less of a radio. It likely would not have added a nickle to the  
>manufacturing cost. Radio Shack has erred significantly if the HTX-10  
>has no CW mode.

Did Radio Shack err? I think they did, but it's not a big error.

And I don't think CW would have altered any other functionality  
of the unit. Except for the key, it probably could have been all  
firmware.

But you're flat out wrong about cost of CW. First off, the rig was  
a firmware rework of the Uniden CB that was also sold as (I  
believe) the TRC-485. Adding FM was probably a hardware  
rework as well, but the return there is pretty obvious. Adding  
CW would have been more firmware rework plus probably  
the third most expensive physical part of the radio, the chassis.

And remember, a MANUFACTURED unit has to have an  
approval for emissions. Adding a key jack from the manufacturing  
point of view was probably a MASSIVE change as opposed to  
'internal' circuitry (for FM) that may not have even required a  
recertification. Actually, that might bear some looking into,  
as I don't know for sure what needs to be certified by a  
manufacturer anymore. And since that CB chassis might  
have supported FM for other countries anyway...

I know, it's just software and the jack is pennies, not quite a  
nickle. Engineers are free, right?

Mike Yetsko  
N1DVJ

-----  
Date: Sat, 11 Sep 1999 09:11:32 -0700  
From: Phil Wheeler <w7ox@mindspring.com>  
To: aturner@netunlimited.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50051] Re: Attic Antenna Again.  
Message-ID: <37DA7F34.C50DDDE6@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Alex wrote:

>  
> I'm very close to getting this station on the air. Put up as much wire in  
> the attic as I could, about 35'. Feeding it at the center with 450 ohm  
> ladder line and MFJ tuner. It looks as if it will tune to an swr of < 2 on  
> most bands,BUT on 20 meters I'm encountering the problem with hand  
> capacitance affecting the settings.  
> It's present to a lesser degree on other bands, but very bad on 20. Will an  
> earth ground help solve this problem?

Try some counterpoise wires run around the floor of your shack. And you  
can do even better with one of the MFJ artificial ground units .. one of  
which is also a capable antenna tuner.

Phil

-----  
Date: Sat, 11 Sep 1999 11:21:31 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: aturner@netunlimited.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50052] Re: Attic Antenna Again.  
Message-ID: <37DA818B.AAF46BEB@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Alex, one thing you can try is to install a choke balun in the coax  
between the tuner and the rest of the station. I suspect that you are  
picking up a great deal of common-mode signal on the feedline. That may  
be unavoidable with the setup you have since the feedline probably does  
NOT come away from the radiator for very far. I would use the W2DU style  
of choke balun which consists of about 50 ferrite beads on the outside of  
a 12" length of coax. You can buy one from The Wireman or he sells the  
parts as a simple kit for about half-price.

The hand-capacitance is a nuisance but probably not harmful, provided  
that you install the choke balun to minimize the presence of r-f in the



rest of the equipment. I have operated single-ended tuners directly with balanced lines by using a choke balun on the input coax - works fine.

Trying to "ground" the system is usually an exercise in futility which I would avoid. It usually introduces more problems that it solves.

You can also try connecting a 17 ft length of wire to the tuner chassis and laying it out on the floor. This 20-meter 1/4-wavelength "driven ground" will pick up r-f from the antenna and, since the "far end" is floating, it will drive the tuner chassis to r-f ground potential. You can do the same on all other bands that show this problem. If you do this, you may can avoid using the choke balun. You will just have to try it and see.

Summary: install the driven ground for 20 meters, and the choke balun if necessary, and then enjoy being on the air! A full-size 20 meter dipole in the attic will work stations all over the world!

72/73, George                      AMA 98452                      R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Alex wrote:

>  
> I'm very close to getting this station on the air. Put up as much wire in  
> the attic as I could, about 35'. Feeding it at the center with 450 ohm  
> ladder line and MFJ tuner. It looks as if it will tune to an swr of < 2 on  
> most bands,BUT on 20 meters I'm encountering the problem with hand  
> capacitance affecting the settings.

-----  
Date: Sat, 11 Sep 1999 11:34:31 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: myetsko@insydesw.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50053] Re: CW on the HTX-10; Headphones; Use of "?"  
Message-ID: <37DA8497.B396C910@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Basically, why change a perfectly good CB rig that is designed and marketed to sell to Free Banders anyway. Calling it a "ham rig" gives it some authenticity and an honorable place in the catalog, but let's not

kid ourselves. A radio that covers down to 28 MHz and does NOT include CW as an operating mode can be intended primarily for only one market. No sense in letting Copper and the truck stops have it all!

I am sure that we will hear a lot of these neat little rigs on ten this winter when the skip comes back. Of course, most of them will be in the 28.0 to 28.2 part of the band on SSB . . .

72/73, George                    AMA 98452                    R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Mike Yetsko wrote:

> Did Radio Shack err? I think they did, but it's not a big error.

-----

Date: Sat, 11 Sep 1999 11:56:16 -0500  
From: Mike <mmorrow@companet.net>  
To: qrp-l@lehigh.edu  
Subject: [50054] RE: CW on the HTX-10  
Message-ID: <37DA89B0.3D91@companet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yes, Mike, it seems sometimes that engineers are free, or underpaid, at least. I've been an EE for more than 25 years.

We'll have to agree to disagree on the per-unit incremental manufacturing cost of adding CW to the HTX-10. I think it would be trivial when the factors you describe are included. If you have to mess with firmware any at all, it usually doesn't cost much more to tweak in two places instead of just one. Unless this thing is really hoary with spurious emissions trapped inside by the outside cabinet, a key jack is not likely to cause failure of part 15 and other testing that the CW-impaired unit still has to go through. Heck, it could have been designed to key through the existing microphone connection if the real cheap approach was needed and an attempt was going to be made to waive further FCC-required testing. That approach would require almost nothing in hardware or mechanical modification.

I tend to believe that a multi-mode HF unit designed without the CW mode does NOT have hams as the real target market. Hmmm...now who would that

leave??

Regards, and 73

Mike / KK5F

Mike Yetsko wrote:

> But you're flat out wrong about cost of CW. First off, the rig was  
> a firmware rework of the Uniden CB that was also sold as (I  
> believe) the TRC-485. Adding FM was probably a hardware  
> rework as well, but the return there is pretty obvious. Adding  
> CW would have been more firmware rework plus probably  
> the third most expensive physical part of the radio, the chassis.  
>  
> And remember, a MANUFACTURED unit has to have an  
> approval for emissions. Adding a key jack from the manufacturing  
> point of view was probably a MASSIVE change as opposed to  
> 'internal' circuitry (for FM) that may not have even required a  
> recertification. Actually, that might bear some looking into,  
> as I don't know for sure what needs to be certified by a  
> manufacturer anymore. And since that CB chassis might  
> have supported FM for other countries anyway...  
>  
> I know, it's just software and the jack is pennies, not quite a  
> nickle. Engineers are free, right?

-----

Date: Sat, 11 Sep 1999 10:31:05 -0700  
From: william h ross <k6mgo@juno.com>  
To: qrp-1@Lehigh.EDU  
Cc: esoults@cyber-dyne.com  
Subject: [50055] FS  
Message-ID: <19990911.103106.-199737.0.k6mgo@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi, everyone, my friend Ed, AA7GM, still has a few items left for sale.

Please contact him for any info or questions.

Ed, AA7GM, phone 541 683 1059 or email esoults@cyber-dyne.com

FOR SALE:

Kenwood TS-850S/AT Transceiver / 100 memories  
Astron RS-35M Power Supply

Astron RS-10A Power Supply  
MFJ-422B/422B-X Electronic Keyer Paddle

73/72  
Bill K6MGO

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.  
-----

Date: Sat, 11 Sep 1999 13:45:27 -0400  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [50056] Gather Round Gang --- History is Made  
Message-ID: <19990911.134528.-218229.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

high gang  
    U guys/ gals with indoor or attic antenna take notice!!!

I worked KA2HZ0, in NJ, he had a indoor attic dipole and 5 watts....sstv  
    be patient  
I used .1 watt sstv

Result: 2 way QRP sstv qso for 4,050 miles per watt

We also dropped down to his lowest level 3 watts and made a 3watt to  
3watt qso sstv....

    U LISTENN STEVE NEED NUTHER CERTIFICATE... NUMBER 2 SSTV 4KMPW  
INFO GOING IN THE MAIL, THANKS STEVE...  
    bOY is my Cajun Mama happy, she thought I was gonna hang myself with all  
that wire/rope stuff... oh boy.. boiled crawfish, shrimp, crabs and fried  
frog legs for lunch... I love my cajun Mama...  
Joel KE1LA  
In Maine

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.  
-----

Date: Sat, 11 Sep 1999 10:50:43 -0700  
From: "Eric Swartz WA6HHQ, EleCraft" <erics@elecraft.com>  
To: elecraft@qth.net  
Cc: qrp-1@lehigh.edu  
Subject: [50057] K2 Mountain Topping Expediion TODAY  
Message-ID: <37DA9673.4F7@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi,

I am heading out today to the top of Squaw Valley, CA. The top of the mountain is about 9,000 ft high.

I will be mountain biking up the mountain with my K2 and SLV strapped to my back. (Actually I'm cheating by taking the tram to 8,200 ft first...)

I should be on the air by 1900Z and I'll try to stay up there through at least 2300Z.

I will be operating SSB and CW on the following frequencies.

(40M and 17M will be my primary bands. I'll move to 15M if it is open, and to 20M if 17 is not open.)

7.040 CW 7.285 SSB  
18.085 CW 18.145 SSB

14.060 CW 14.285 SSB  
21.060 CQ 21.385 SSB

All freq's +/- 5 kHz for QRM.

Sorry for the late notice! We had thunder storms yesterday and I had to wait to check today's weather. (It is clear so far.)

73, Eric WA6HHQ

<http://www.elecraft.com>

-----  
Date: Sat, 11 Sep 1999 13:56:24 -0400  
From: Charles Greene <cgreene@loa.com>  
To: aturner@netunlimited.net, "Low Power Amateur Radio Discussion" <qrp-

l@Lehigh.EDU>

Subject: [50058] Re: Attic Antenna Again.

Message-ID: <4.1.19990911135441.00968b40@mail.loa.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 12:03 PM 9/11/99 -0400, Alex wrote:

>I'm very close to getting this station on the air. Put up as much wire in  
>the attic as I could, about 35'. Feeding it at the center with 450 ohm  
>ladder line and MFJ tuner. It looks as if it will tune to an swr of < 2 on  
>most bands,BUT on 20 meters I'm encountering the problem with hand  
>capacitance affecting the settings.  
>It's present to a lesser degree on other bands, but very bad on 20. Will an  
>earth ground help solve this problem? I have a cold water pipe about 15 feet  
>away,but that then runs for who knows how many feet before going under  
>ground, will that work or I can put down a ground outside the window and  
>then run a ground wire to that. I've heard of problems with the length of  
>ground wires so what lengths should I avoid. Sorry for the rather windy  
>question.

Why don't you first try changing the length of the feed line, in 1/4 wave  
increments or a little less, on 20. Either shorten or lengthen it.

-----

Try PSK31.

Chas, W1CG

Rhode Island TCPIP Address Coordinator

w1cg@arrl.net

-----

-----

Date: Sat, 11 Sep 1999 14:12:37 -0400

From: Tom Randall <trandall@idsi.net>

To: qrp-l@Lehigh.EDU

Subject: [50059] Re: Subject: [49938] Re: USA Visit

Message-ID: <199909111812.0AA19663@pop.idsi.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Jon wrote:

"P.S. Another highlights were the visits to Dave NN1G and Cap Hossfield, who coordinates the AAVSO group of Sudden Ionospheric Disturbances (SIDs) but that's another story..."

Hey, please tell it! I'm in the AAVSO solar division, I've exchanged a few e-mails with Cap in the past. He does a great job with the SID reports. Nice guy.

Regards,  
Tom Randall

Tom Randall -- tprandall@idsi.net (Remove the "P" to e-mail me)  
Amateur Radio - KB2SMS  
Mt. Beacon Amateur Radio Club / ARRL / 10-10 / QRP-L #1965  
Member: AAVSO Solar Division

My Astronomy/Ham radio site: <http://www1.mhv.net/~trandall/welcome.html>

-----  
Date: Sat, 11 Sep 1999 13:37:46 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [50060] FS: DIGITAL DDS VFO's  
Message-ID: <199909111819.0AA26730@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Well, speaking of digital VFO's, I still have about 15 of the "MINI DDS VFO" available. These are curenly the smallest (2" wide, 1.6" long, 1/2" high) and the least expensive (\$55.00 + S+H) stand alone DDS VFO around that I know of. Plus they come assembled and tested.

These are idealy suited to upgrade your QRP rig to DDS tuning and stability or to build your own rig around.

Sorry, they don't have a digital freq display, but do have 4 led's to let you know what segment of the band your tuned to.

100 Khz to 9.5 Mhz range, 10 Hz min tuning rate, knob tuned,

programable for specific tuning range, programable Tx offset, RIT, A/B memo function, buit in 10-40 wpm keyer with side tone.

BTW, I got a sample of a new Analog Devices 9852 DDS chip. This is a QRO DDS, requiring up to 1 amp at 3.3 volts to run it! Has internal clock speed of 300 Mhz, outputs up to 120 Mhz with miliHertz tuning resalution, 14 bit DAC and all kinds of neat features built into the chip.

Don't expect me to offer a DDS VFO based on this chip. For one thing, it's in a 80 pin SMT package, and second, they cost \$22.00 in 1,000's, so the price in the quantities we could expect to buy would be like 60-70 bucks! A full feature VFO with display would have to sell for like \$250 and don't think many of you would pay that price !

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Sat, 11 Sep 1999 14:42:33 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu  
Subject: [50061] SOURCE POLYPHASER?  
Message-ID: <599edfa.250bfc99@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Folks I would like a source for the POLYPHASER coax inline device. Before you refer me to POLYPHASER, I have gone that route with no return calls. I assume they don't deal directly with the non-business entities.

Regardless, I am still interested in purchasing one of their devices but need a source. If any of you have a recommendation for a similar quality device I am open to suggestions. Thanks you in advance for your assistance. Alan KB7MBI

-----  
Date: Sat, 11 Sep 1999 13:54:30 -0500  
From: "Charles Hamel" <cdhamel@pdq.net>  
To: <w7ox@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50062] Re: ARRL Handbook 2000 Collector's Edition  
Message-ID: <001301befc87\$18e68e60\$0ae390d1@cdhamel>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"



Content-Transfer-Encoding: 7bit

Calm down all

The leather bound embossed copy is the one that will be the limited edition!

The softcover will be \$32.00, and there will be plenty for all

KC5DXQ

-----  
Date: Sat, 11 Sep 1999 13:07:45 -0700  
From: Phil Wheeler <w7ox@mindspring.com>  
To: cdhamel@pdq.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50063] Re: ARRL Handbook 2000 Collector's Edition  
Message-ID: <37DAB691.B57D7A6B@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

And who had not figured \*that\* out?

Issue is whether or not to buy the jazzy leather one: Real tough decision, NOT!

Phil

Charles Hamel wrote:

>  
> Calm down all  
>  
> The leather bound embossed copy is the one that will be the limited edition!  
>  
> The softcover will be \$32.00, and there will be plenty for all  
>  
> KC5DXQ

-----  
Date: Sat, 11 Sep 1999 16:28:35 -0400  
From: Michael Bower <bowerm@ix.netcom.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [50064] accolades to organizers of NoVaQRP group

Message-ID: <37DABB73.E8859D2B@ix.netcom.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Just got back from (I think) the first Northern Virginia QRP group meeting. We had a lunch at Mama's (good Italian food) on Route 50 in Fairfax, Virginia. Approximately 14-16 people were there. Lots of toys to look at (K2 (I gotta get one of these now), RHR20, DSW40, OHR Sprint and some home brew (hope I didn't leave anything out)).

We had a great time and hope to meet every couple of months.

A great thank you to the organizers and major players. Great way to spend a Saturday. (Unfortunately my wife was frazzled by kids when I got home and may not let me go again (hi-hi). I guess I need to get her interested in QRP and CW. (She's KD4WGU.))

Again, thanks to the organizers. NorCal and NJQRP, watch out.

Michael - N4NMR

-----  
Date: Sat, 11 Sep 1999 15:39:12 -0500

From: Dave Sjolín <sjolin@swbell.net>

To: ARDUJENSKI@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [50065] Re: SOURCE POLYPHASER?

Message-ID: <37DABDF0.3A05B850@swbell.net>

MIME-version: 1.0

Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7bit

ARDUJENSKI@aol.com wrote:

>

> Folks I would like a source for the POLYPHASER coax inline device. Before you  
> refer me to POLYPHASER, I have gone that route with no return calls. I assume  
> they don't deal directly with the non-business entities.

What online catalogs have you checked? Have you checked AES?

-----  
Date: Sat, 11 Sep 1999 16:48:13 -0400

From: K4AHK@ix.netcom.com

To: bowerm@ix.netcom.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [50066] Re: accolades to organizers of NoVaQRP group  
Message-ID: <37DAC00C.9BF@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yes, it WAS fun! I'm glad that you got the info about the gathering and were able to attend. You're in the email list now so you'll hear about upcoming activities.

The management at Mama's said that we can have a separate room next time so that it will be easier for everyone to get around to all of the show and tell goodies. I believe that I saw more examples of all of the current QRP radios today than I have seen anywhere - from the K2 to the excellent Manhattan style homebrew regen.

We're already looking forward to the next one in November. See you then.

Bill - K4AHK

-----  
Date: Sat, 11 Sep 1999 16:49:58 -0700  
From: "Mark Paley" <mpaley@wcnet.org>  
To: <cdhamel@pdq.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50067] Re: ARRL Handbook 2000 Collector's Edition  
Message-ID: <01c101befcb0\$5cbbae80\$35ab85cd@mpaley>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'm holding out for the gold-plated Franklin Mint limited edition of 3 billion'''...

Mark Paley--KF8KL--

-----Original Message-----

From: Charles Hamel <cdhamel@pdq.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Saturday, September 11, 1999 12:12 PM  
Subject: Re: ARRL Handbook 2000 Collector's Edition

>Calm down all

>

>

>The leather bound embossed copy is the one that will be the limited edition!

>  
>The softcover will be \$32.00, and there will be plenty for all  
>  
>KC5DXQ  
>

-----  
Date: Sat, 11 Sep 1999 15:55:45 -0500  
From: Dave Redfearn <n4elm@texoma.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50068] RE:FS QRP Stuff - SST gone!  
Message-ID: <37DAC1D1.D6F74752@texoma.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The SST-20 is spoken for.

I still have a:

LDG AT-11 Automatic antenna tuner  
With V2.4 upgrades, manuals, and case  
Tunes from about 2 watts up, works great

\$130.00 OBO + shipping

--

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKtexoma.net (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----  
Date: Sat, 11 Sep 1999 17:08:14 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: w7ox@mindspring.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50069] Re: ARRL Handbook 2000 Collector's Edition  
Message-ID: <37DAC4BE.43B2@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Oh Geez, here goes the League trying to make a few bucks off of you innocent hams. It's Y2K, they want to commemorate it. If you don't buy it someone else will and will likely profit from the deal. What's the big deal?

73

-----  
Date: Sat, 11 Sep 1999 14:15:23 -0700  
From: Phil Wheeler <w7ox@mindspring.com>  
To: w6toy@erols.com, qrp-l@lehigh.edu  
Subject: [50070] Re: ARRL Handbook 2000 Collector's Edition  
Message-ID: <37DAC66B.DE3F718A@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bruce Muscolino wrote:

>  
> Oh Geez, here goes the League trying to make a few bucks off of you  
> innocent hams. It's Y2K, they want to commemorate it.

And why not? Did not say it was a bad thing, just not MY thing.

> If you don't buy  
> it someone else will and will likely profit from the deal.

Are you saying someone will buy it and (later) sell it for a profit?  
Interesting concept; might even work!

> What's the  
> big deal?  
>

None .. just like lots of the stuff we discuss here :-)

73 .. Phil

-----  
Date: Sat, 11 Sep 1999 17:29:46 -0400  
From: "George Goodroe" <goodroe@worldnet.att.net>  
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [50071] new mint tins !

Message-ID: <000101befc9d\$000bf040\$c08efea9@ggoodroe>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

Hello All,

While reading my Yahoo Internet Life Magazine...I came across this website:

<http://www.peppermints.com/>

At this website you'll learn all about Penguin - The Original Caffeinated Peppermints! Four (4) for \$12.

I don't know about the mints...but their tin is neat!!!

73 de KF4CPJ  
George Goodroe, QRP-L #1943  
St. Petersburg, Florida USA  
80 Meter high noise capital of the USA <grin>  
<http://home.att.net/~goodroe>  
<http://www.qsl.net/kf4cpj>

-----  
Date: Sat, 11 Sep 1999 17:56:06 EDT  
From: ARDUJENSKI@aol.com  
To: sjolin@swbell.net, qrp-l@lehigh.edu  
Subject: [50072] TNX-SOURCE 4 POLYPHASER  
Message-ID: <32597738.250c29f6@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Thanks for the reference to AES (by sjolin@swbell.net). I had never delt with them before but per your recommendation I contacted them. They not only had the parts I needed but also were very knowlegeable on the POLYPHASER and which device I needed for my application. Thanks for your assistance Alan KB7MBI

-----  
Date: Sat, 11 Sep 1999 20:47:07 -0400  
From: wa8rxi@juno.com  
To: chael@enid.com

Cc: qrp-1@Lehigh.EDU  
Subject: [50073] Re: Any R7000 experts here?  
Message-ID: <19990911.215820.-221947.4.wa8rxi@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

On Sat, 11 Sep 1999 10:48:11 -0500 "Dave T. Chael" <chael@enid.com>  
writes:

> I'm guessing that distance above the ground may have a lot to do with  
the actual  
> tuning of the antenna. My installation is a custom heavy-duty 1/2"  
steel pipe  
> section wrapped around a tree trunk about 25' in the air - works great.  
  
> I've trimmed the tree branches way from the antenna, and it really gets  
out!  
> HOWEVER, there probably is a tuning problem having it that high above  
the  
> ground (?). I don't know. I couldn't get the top radial long  
> enough to tune properly on 40, and decided to use a tuner instead.

=====

Dave,  
I saw an article once in QST where someone connected a feedline directly  
to a tree  
and used it as a vertical. Might have been an April issue :-}  
Maybe the reason you are having some difficulty (re: SWR) when your coils  
are wet is because  
you have one LARGE antenna (the TREE) so close to your vertical.  
I've always thought that verticals should be mounted away from any  
obstructions.  
Especially trees because of the sap content, water, foliage - no foliage,  
etc..

GL es 72  
Rick - WA8RXI

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Sat, 11 Sep 1999 18:15:19 -0400  
From: "Robert W. Shaw" <lycott@fox.nstn.ca>  
To: <qrp-1@lehigh.edu>  
Subject: [50074] NC20 Output Spectrum Purity

Message-ID: <3.0.5.32.19990911181519.007c9e80@fox.nstn.ca>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I lent my NC20 to a friend with a spectrum analyser, and he measured his and my NC20 outputs. At first they looked pretty clean (i.e. the 2nd, 3rd harmonic etc.), but the 8th harmonic is only about 3db below the fundamental, the 9th a bit higher still, and the 10th again about 3 db down!!! Now we're nearing the 2 meter band! Has anybody else checked this out, and what to do about it?

I would have thought that harmonics that far out would be very easily suppressed with a simple filter. Perhaps the present filter addresses only the lower harmonics. Do we need to consider another (auxilliary) LPF on the output?

72 de Bob.

-----  
Date: Sat, 11 Sep 1999 15:25:29 -0700  
From: Phil Wheeler <w7ox@mindspring.com>  
To: lycott@fox.nstn.ca  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50075] Re: NC20 Output Spectrum Purity  
Message-ID: <37DAD6D9.6142D39B@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

"Robert W. Shaw" wrote:

>  
> I lent my NC20 to a friend with a spectrum analyser, and he measured his  
> and my NC20 outputs. At first they looked pretty clean (i.e. the 2nd, 3rd  
> harmonic etc.), but the 8th harmonic is only about 3db below the  
> fundamental, the 9th a bit higher still, and the 10th again about 3 db  
> down!!! Now we're nearing the 2 meter band! Has anybody else checked this  
> out, and what to do about it?  
>

This is incredibly unlikely, even without a lowpass filter. If the output were a square wave, I believe harmonics 8, 9, and 10 would be lower than that, without filtering. Something very strange is happening! An oscillating final? A defective spectrum analyzer?



> I would have thought that harmonics that far out would be very easily  
> suppressed with a simple filter. Perhaps the present filter addresses only  
> the lower harmonics.

An LPF should suppress higher harmonics even more than lower harmonics.

Phil

-----  
Date: Sat, 11 Sep 1999 18:36:56 EDT  
From: charles k brown <n4so@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [50076] AES - Amateur Electronic Supply  
Message-ID: <19990911.223513.7447.0.n4so@juno.com>

Amateur Electronic Supply  
5710 W. Good Hope Road  
Milwaukee, WI 53223  
1 800 558-0411 order line  
Service 414-358-4087  
E-mail help@aesham.com  
Branch stores  
Cleveland, OH  
cleveland@aesham.com  
Orlando, FL  
orlando@aesham.com  
Las Vegas, NV  
lasvegas@aesham.com

Low end of 20 meters- RV9CP,UA9ACV,RA3EF,UT7MT,  
RZ9ON, RX9TX, from 0300z to 0400z all 5 watts and  
NC-20 to 4 el beam.  
Ken Brown N4SO  
Mobile, AL/EM50tk

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Sat, 11 Sep 1999 16:03:48 -0700  
From: "Dave Fifield" <fifield@pacbell.net>  
To: <lycott@fox.nstn.ca>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50077] Re: NC20 Output Spectrum Purity  
Message-ID: <00f001befca9\$e85f8800\$0100a8c0@pacbell.net>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bob,

There is obviously something wrong with your NC20s. The output filter works just fine - it's not possible for it to filter the HF and not the VHF stuff - it's a low pass filter with harmonic traps so by the laws of physics, it has to work! I have measured many rigs on a spectrum analyzer all the way up to UHF and all harmonics are below -70dB from the main carrier. This is the cleanest of all QRP rigs (and most commercial ones too) out there.

You can see typical spectrum output plots on my website at [http://home.pacbell.net/fifielfd/NC20\\_TX\\_1.JPG](http://home.pacbell.net/fifielfd/NC20_TX_1.JPG) This particular plot shows the output from 0 to 100MHz, but I can assure you, the output looks "flat line" at -70dB all the way up to 500MHz and beyond.

OK, so what is wrong with your rig? Well, it sounds to me like the TX is taking off (oscillating) all by itself. I have seen this condition in a small number of rigs for various reasons. There are several things you should check.

First, simply try turning down the drive level to about 1 or 2 watts and re-do the spectrum analysis. This will quickly prove if it is really harmonics that you are seeing or if it is, as I suspect, oscillating all on its own. Let us know what happens. If you can't get it back on the spectrum analyzer, how about a 'scope? Hook a 'scope to the antenna output (they hook nicely onto the back of the BNC socket) and check the output waveform as you turn up the power from 1 watt to 5 watts (or max). Does it look like a nice clean sinewave all the way? It should. If, at some point as you turn up the power, it starts to get "fuzzy", then that is a good sign of the TX self-oscillating.

Assuming that all the extra spikeys go away when you turn down the drive level, you need to find the source of the problem that's causing it to hoot.

Try checking the following things:

1. Count the number of turns on ALL your TX toroids. Make sure you haven't inadvertently added an extra turn on them. One radio I had in the 'shop here had this problem and the output could not be tamed - it hooted all over the place! Remember,

one turn is everytime the wire passes through the center of the toroid.

2. Make sure R80 (220hms) is fitted fully flat down on the PCB. In fact, all the components must be soldered in so they are flush with the PCB topside. I had another rig in for repair that had every component raised up off the PCB by about 1/2". That one had \*LOTS\* of problems, including the tendency for the TX to self-oscillate.
3. Wiggle all the 0.1uF decoupling capacitors. Make sure they are all still good. Those mono-caps are very prone to being broken by overheating. If one or more of them in the TX were no longer acting as capacitors, that can cause the TX to become unstable under certain load conditions. Again, I have seen this problem in real life on a number of rigs.
4. Re-check the tuning of the TX bandpass filter (T5 and T6) at an output power of about 1Watt. I have seen rigs where with the tuning not done right, the TX can become unstable under certain conditions.

Lastly, if none of the above cures the problem, give me another ping. I'm sure we can fix your rig/s and get it working properly just like all the others. If necessary, send it to me and I'll fix it/them up right for you.

Oh, and in the future, if anyone has a problem with the NC20 or Red Hot Radio rigs, I'd appreciate you giving me the chance to cure the issue quietly and privately, only opening up the issue to the public forum if you get no satisfaction from me. I don't appreciate the panic and extra email that emails like Bob's generates. Thanks.

72, Dave Fifield, AD6A  
<http://www.redhotradio.com>  
email [support@redhotradio.com](mailto:support@redhotradio.com)

----- Original Message -----

From: Robert W. Shaw <[lycott@fox.nstn.ca](mailto:lycott@fox.nstn.ca)>  
To: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Sent: Saturday, September 11, 1999 3:15 PM  
Subject: NC20 Output Spectrum Purity

> I lent my NC20 to a friend with a spectrum analyser, and he measured his  
> and my NC20 outputs. At first they looked pretty clean (i.e. the 2nd, 3rd  
> harmonic etc.), but the 8th harmonic is only about 3db below the  
> fundamental, the 9th a bit higher still, and the 10th again about 3 db  
> down!!! Now we're nearing the 2 meter band! Has anybody else checked this  
> out, and what to do about it?

>  
> I would have thought that harmonics that far out would be very easily  
> suppressed with a simple filter. Perhaps the present filter addresses only  
> the lower harmonics. Do we need to consider another (auxilliary) LPF on  
> the output?  
>  
> 72 de Bob.  
>

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Date: Sat, 11 Sep 1999 16:08:57 -0700  
From: "Dave Fifield" <fifield@pacbell.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50078] Guess I'm a collector now...  
Message-ID: <00fa01befcaa\$a097dee0\$0100a8c0@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

I have my own personally engraved set of KG2ED Mercury copy  
paddles, serial number 5, already. Number 5 is my NorCal Zombie  
number too.

Today, a set of WBL V22 paddles that I bought from someone  
on the list arrived. Guess what...they are ALSO serial number 5!!!  
I couldn't believe it - must be fate.

So, anyone have any other serial number 5 paddles/keys that they  
want to sell me? ;-)

Cheers,  
Dave, AD6A

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End of QRP-L Digest 1576

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